

**WATER SUPPLIES DEPARTMENT**  
**STANDARD SPECIFICATION E-86-31**  
**PADDLE TYPE NO-FLOW SWITCH**

1. GENERAL

The paddle type no-flow switch shall utilise the force of liquid flow to propel its paddle for detecting the incoming flow or movement of the liquid in the pipe through the actuation of a magnetic switch contact. It shall be used in water piping system for initiation of tripping or alarming at the preset value.

2. DESIGN

The paddle shall be able to withstand the specified maximum velocity and pressure in the pipeline without damage, and be sufficiently sensitive to detect the specified minimum flow.

3. CONSTRUCTION

Materials in contact with liquid	: Stainless steel 316
Output contact rating	: 1A 220V 50 Hz changeover type
Flow range setting	: Specified in the Particular Specification
Degree of protection of switch enclosure	: IP65
Pressure rating of sensor	: PN16 or otherwise specified in the Particular Specification
Mounting of sensor	: Flange mounted for pump delivery system; size as specified in the Particular Specification

- End of this Specification -